

1.  $y = \tan\frac{1}{3}x - 1$

Period:

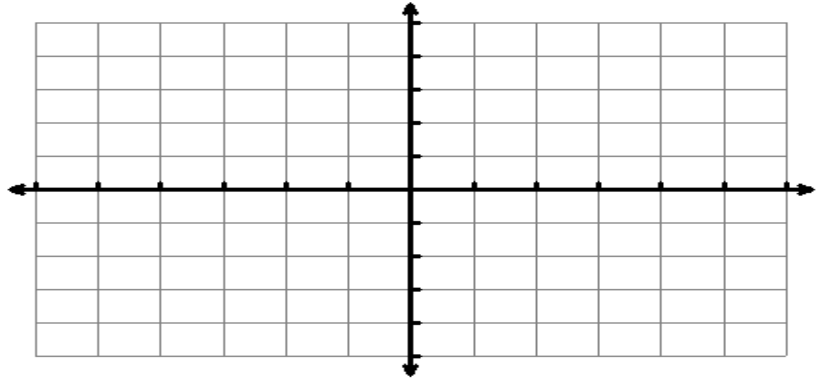
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



2.  $y = -2\cot(x - \frac{\pi}{2})$

Period:

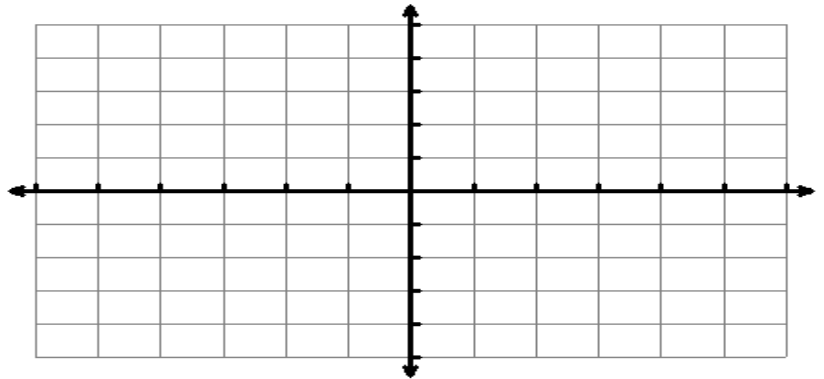
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



3.  $y = \cot(2x) + 3$

Period:

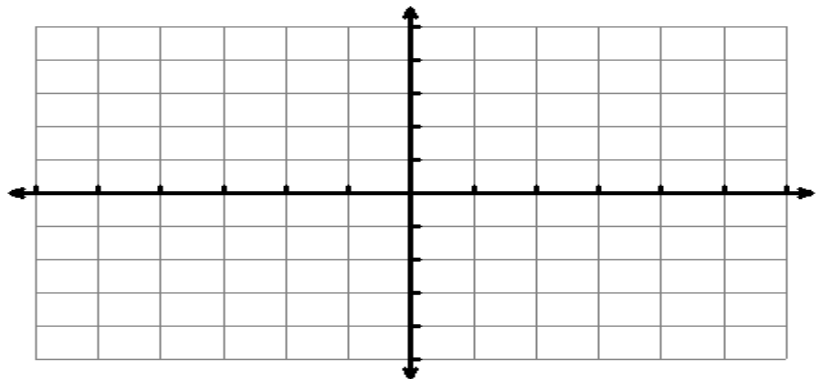
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



4.  $y = -\tan(\frac{1}{2}x + \frac{\pi}{2})$

Period:

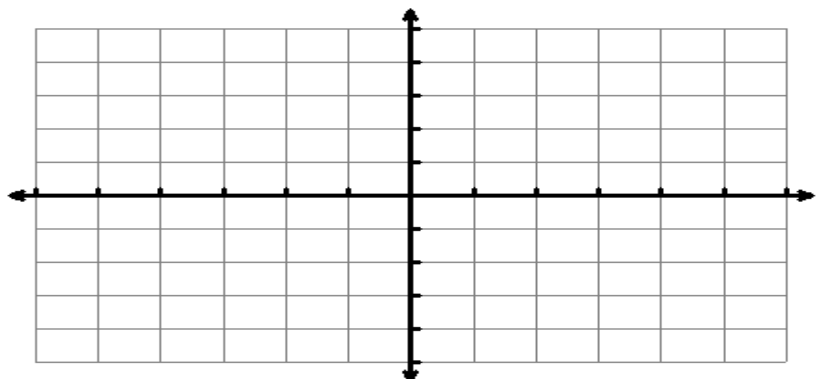
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



5.  $y = 3\tan(\pi x)$

Period:

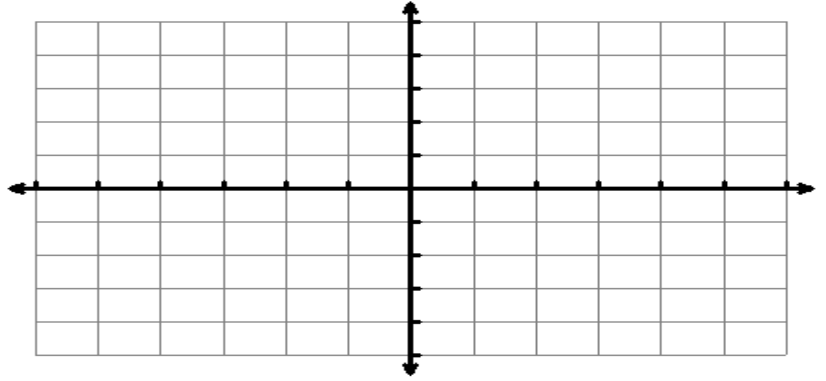
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



6.  $y = -\csc\left(\frac{\pi}{2}x + \pi\right)$

Period:

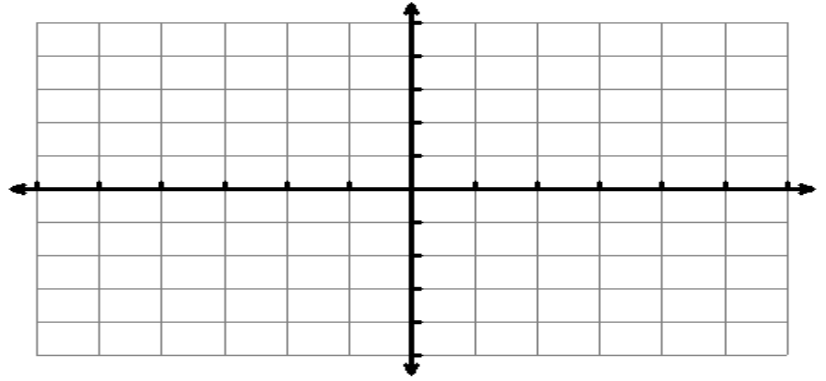
Vertical Shift:

Phase Shift:

Asymptotes:

Domain:

Range:



7.  $y = \frac{3}{2}\sec\frac{x}{4} - 2$

Period:

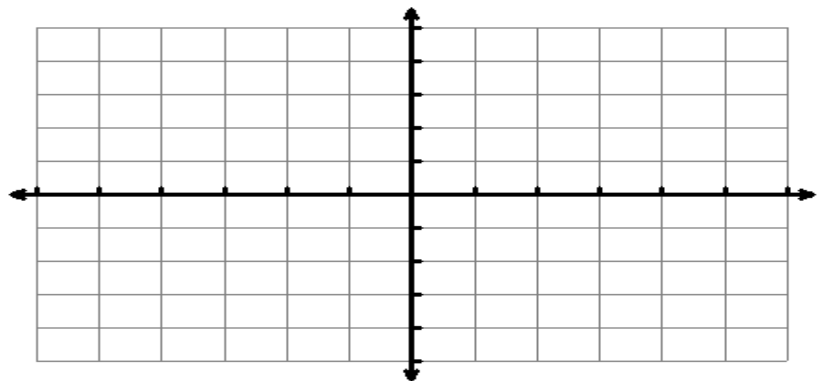
Vertical Shift:

Phase Shift:

Amplitude:

Domain:

Range:



8.  $y = 2 - \sec(3x - \pi)$

Period:

Scale:

Vertical Shift:

Phase Shift:

Amplitude:

Domain:

Range:

